

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PC/P12791PC	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/EP 03/02629	International filing date (day/month/year) 10/03/2003	(Earliest) Priority Date (day/month/year) 11/03/2002
Applicant DLF - TRIFOLIUM A/S		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☒ furnished subsequently to this Authority in written form.

☒ furnished subsequently to this Authority in computer readable form.

☒ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☒ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☒ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/02629

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/09 C12N15/82 A01H5/00 C07K14/415

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A01H C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, EMBL, EPO-Internal, WPI Data, PAJ, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JENSEN CHRISTIAN S ET AL: "A TERMINAL FLOWER1-like gene from perennial ryegrass involved in floral transition and axillary meristem identity." PLANT PHYSIOLOGY (ROCKVILLE), vol. 125, no. 3, March 2001 (2001-03), pages 1517-1528, XP002250085 ISSN: 0032-0889 page 1521, column 1, last paragraph -page 1523, column 1, paragraph 1	1-19, 23-50, 54-64
Y	page 1526, column 1, paragraph 2	20-22, 51-53
X	-& DATABASE EMBL 'Online! 13 November 2000 (2000-11-13) JENSEN AND NIELSEN: "L. perenne terminal flower 1-like protein (TFL1) mRNA, complete cds" retrieved from EBI	1-19, 23-50, 54-64
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

5 August 2003

Date of mailing of the international search report

28/08/2003

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/02629

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X	<p>Database accession no. AF316419 XP002250087 abstract -& DATABASE EMBL 'Online! 1 March 2001 (2001-03-01) JENSEN ET AL.: "Terminal flower 1-like protein" retrieved from EBI Database accession no. Q9FUA6 XP002250088 abstract</p>	<p>1-19, 23-50, 54-64</p>
X	<p style="text-align: center;">---</p> <p>OHSHIMA S ET AL: "Cloning and molecular analysis of the Arabidopsis gene Terminal Flower 1." MOLECULAR & GENERAL GENETICS, vol. 254, no. 2, 1997, pages 186-194, XP002250086 ISSN: 0026-8925</p>	<p>50</p>
Y	<p style="text-align: center;">---</p> <p>figure 4</p>	<p>51-53</p>
X	<p style="text-align: center;">---</p> <p>WO 97 10339 A (JOHN INNES CENTRE ;BRADLEY DESMOND JOSEPH (GB); CARPENTER ROSEMARY) 20 March 1997 (1997-03-20) page 30, paragraph 1</p>	<p>1-19, 23-50, 54-64</p>
Y	<p>page 50, line 14 -page 51, line 15; figures 4,6</p>	<p>20-22, 51-53</p>
A	<p style="text-align: center;">---</p> <p>WO 02 14524 A (ADVANTA SEEDS B V ;DUN CORNELIUS M P VAN (NL); PROVENIERS MARCEL C) 21 February 2002 (2002-02-21) the whole document</p>	<p>1-53</p>
P,X	<p style="text-align: center;">---</p> <p>WO 02 33091 A (AGRICULTURE VICTORIA SERV PTY ;EMMERLING MICHAEL (AU); ONG ENG KOK) 25 April 2002 (2002-04-25) page 3, line 1 -page 4, line 20 SEQ ID NO:88</p>	<p>1-19, 23-50, 54-64</p>
Y	<p style="text-align: center;">-----</p>	<p>20-22, 51-53</p>

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/02629

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9710339	A	20-03-1997	AU 717860 B2	06-04-2000
			AU 6939596 A	01-04-1997
			CA 2230511 A1	20-03-1997
			EP 0852622 A1	15-07-1998
			WO 9710339 A1	20-03-1997
			JP 11512289 T	26-10-1999
			US 2003140378 A1	24-07-2003
			US 6573430 B1	03-06-2003
WO 0214524	A	21-02-2002	AU 8402301 A	25-02-2002
			AU 8769701 A	25-02-2002
			CA 2419833 A1	21-02-2002
			CA 2419931 A1	21-02-2002
			WO 0214486 A2	21-02-2002
			WO 0214524 A2	21-02-2002
			EP 1309710 A2	14-05-2003
			EP 1309711 A2	14-05-2003
WO 0233091	A	25-04-2002	WO 0233091 A1	25-04-2002
			AU 1024302 A	29-04-2002